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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/593,374

09/19/2006

Junhyoung Eom

WELL.P0121US

8877

7590

07/20/2007

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EXAMINER

AYCHILLHUM, ANDARGIE M

ART UNIT

PAPER NUMBER

2841

MAIL DATE

DELIVERY MODE

07/20/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/593,374	EOM, JUNHYOUNG	
	Examiner	Art Unit	
	Andargie M. Aychillhum	2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application:
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 September 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>09/19/2006</u> | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

(The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Regarding to claims 1-6 are rejected under 35 U.S.C. 102 (b) as being anticipated by Maue et al. (5,478,244).

Regarding to claim 1, Maue et al. discloses an integrated electronic module structure for vehicles constructed using one connector for each wire harness (**13**) structure (**14**) comprising:

A first printed circuit board (**33**) having fuses (**15**) and relay circuits (**17**) mounted thereon; (column **3**, lines **26-50**) thereon;

A second PCB (**37**) having input/output (I/O) terminals (**99 and 100**) (see figure **1**); and

A PCB (**33 and 37**) connecting the first (**33**) and second PCBs (**37**). (Column **3**, lines **43-50**). (Column **3**, lines **43-50**) (see figures **1 and 2**).

Regarding to claim 2, Maue et al. discloses the connector comprises a multi-pole connector (**39**), and

A circuit connected between the first PCB (**33**) and the I/O terminals (**99 and 100**) of the second PCB (**37**), and a circuit connected between the second PCB (**37**) and I/O connectors (**99 and 100**) of the second PCB (**37**) are integrated in one multi-pole connector (**39**), and thus the first PCB (**33**) and the second PCB (**37**) can be constructed using one multi-pole connector (**39**) for each wire harness (**13**). (Column **3**, lines **43-50**) (See figures **1 and 2**).

Regarding to claim 3, Maue et al. discloses the first PCB (**33**) is a junction box (**11**) for vehicles. (See figure **1**).

Regarding to claim 4, Maue et al. discloses the second PCB (**37**) is an electronic control module (**19**) for vehicles. (Column **4**, lines **34-36**) (see figure **14**).

Regarding to claim 5, Maue et al. discloses the PCB (**33**) connecting unit is composed of connecting pins (**99 and 100**).

Regarding to claim 6, Maue et al. discloses the connecting pins (**99 and 100**) are directly inserted into the first PCB (**33**) and into a part corresponding to the I/O terminals (**121**) of the second PCB (**37**), then soldered, and external injection molded parts (**53**) are formed to have connectors that constitute a pair of male (**98**) and female connectors (**100**) together with the multi-pole connectors (**39**) of the wire harness (**13**). (Column **4**, lines **37-59**).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andargie M. Aychillhum whose telephone number is (571)270-1607. The examiner can normally be reached on (Mon-Fri from 8:30-5:00).

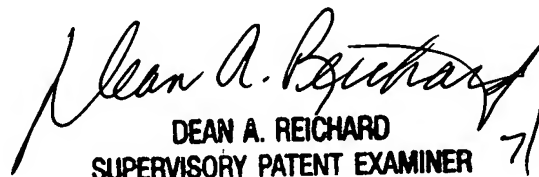
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reichard Dean can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2841

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.A.

July 16th, 2007


DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800
7/18/07